

CLAIMS

What is claimed is:

1. A method for providing performance analysis on a computer system including at least one resource group and at least one node, the method comprising the steps of:
 - (a) obtaining performance data for a plurality of monitors for the at least one resource group,
 - (b) analyzing the performance data to determine whether performance of the system can be improved using the at least one resource group; and
 - (c) graphically displaying performance data for at least one monitor of the plurality of monitors for the at least one resource group.
2. The method of claim 1 wherein the at least one node include a plurality of nodes, wherein the at least one resource group moves between the plurality of one nodes and wherein the graphically displaying step (c) further includes the step of:
 - (c1) displaying the performance data for the at least one monitor on the plurality of nodes in a single graph.
3. The method of claim 1 wherein the plurality of monitors further include disk utilization for the at least one resource group.
4. The method of claim 1 wherein the plurality of monitors further include CPU

utilization for the at least one resource group.

5. The method of claim 1 wherein the plurality of monitors further include memory utilization for the at least one resource group.

6. The method of claim 1 wherein the plurality of monitors further include network utilization for the at least one resource group.

7. The method of claim 6 wherein the network utilization further includes public LAN utilization.

8. The method of claim 7 wherein the interconnect utilization further includes interconnect utilization.

9. The method of claim 1 further comprising the step of:

(d) allowing a user to define the at least one resource group.

10. The method of claim 1 wherein the at least one node include a plurality of nodes and wherein the analyzing step (b) further includes the step of:

(b1) determining whether performance of the system can be improved by moving the at least one resource group between the plurality of nodes.

11. The method of claim 10 wherein the analyzing step (b) further includes the

2 step of:

3 (b2) determining an optimal assignment to a node of the plurality of nodes for the
4 at least one resource group.

1 12. The method of claim 1 wherein the analyzing step (b) further includes the
2 step of:

3 (b1) forecasting a bottleneck for the monitor of the plurality monitors.

1 13. A computer-readable medium containing a program for providing
2 performance analysis on a computer system including at least one resource group and at least
3 one node, the program including instructions for:

4 (a) obtaining performance data for a plurality of monitors for the at least one
5 resource group,
6 (b) analyzing the performance data to determine whether performance of the
7 system can be improved using the at least one resource group;
8 (c) graphically displaying performance data for at least one monitor of the
9 plurality of monitors for the at least one resource group.

1 14. A system programmed to provide performance analysis on a computer system
2 including at least one resource group and at least one node, the system comprising:

3 means for obtaining performance data for at least one resource group, the
4 performance data relating to a plurality of monitors for the at least one resource group and
5 for analyzing the performance data to determine whether performance of the computer

system can be improved using the at least one resource group; and
a graphical user interface for displaying performance data for at least one monitor of
the plurality of monitors for the at least one resource group.

15. The system of claim 14 wherein the obtaining and analyzing means further
include a plurality of agents residing in the plurality of computer systems.